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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/520,079	08/28/1995	SHUNPEI YAMAZAKI	1321	
22204 . NIVON DE A B	7590 12/27/2006	EXAMINER		
NIXON PEABODY, LLP 401 9TH STREET, NW SUITE 900 WASHINGTON, DC 20004-2128			RICHARDS, N DREW	
			ART UNIT	PAPER NUMBER
	, _ 0 _ 1 1 1 1 1		2815	
			MAIL DATE	DELIVERY MODE
			12/27/2006	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

Advisory Action Before the Filing of an Appeal Brief

Application No.	Applicant(s)		
08/520,079	YAMAZAKI ET AL.		
Examiner	Art Unit		
N. Drew Richards	2815		

	THE BIOTITION OF THE PROPERTY	2010	
The MAILING DATE of this communication appe	ars on the cover sheet with the	correspondence add	ress
THE REPLY FILED 11 December 2006 FAILS TO PLACE THIS	S APPLICATION IN CONDITION F	OR ALLOWANCE.	
1. A The reply was filed after a final rejection, but prior to or on this application, applicant must timely file one of the follow places the application in condition for allowance; (2) a No a Request for Continued Examination (RCE) in compliant time periods:	the same day as filing a Notice of wing replies: (1) an amendment, af tice of Appeal (with appeal fee) in	f Appeal. To avoid aba ffidavit, or other evider compliance with 37 C	nce, which FR 41.31; or (3)
a) \square The period for reply expires $\underline{4}$ months from the mailing date	of the final rejection.		
b) The period for reply expires on: (1) the mailing date of this A no event, however, will the statutory period for reply expire in	ater than SIX MONTHS from the mailing	ng date of the final rejecti	on.
Examiner Note: If box 1 is checked, check either box (a) or a TWO MONTHS OF THE FINAL REJECTION. See MPEP 7	06.07(f).		
Extensions of time may be obtained under 37 CFR 1.136(a). The date have been filed is the date for purposes of determining the period of exunder 37 CFR 1.17(a) is calculated from: (1) the expiration date of the set forth in (b) above, if checked. Any reply received by the Office later may reduce any earned patent term adjustment. See 37 CFR 1.704(b) NOTICE OF APPEAL	tension and the corresponding amount shortened statutory period for reply oric r than three months after the mailing d	t of the fee. The appropri ginally set in the final Offi	iate extension fee ce action; or (2) as
2. The Notice of Appeal was filed on A brief in comp	oliance with 37 CEP 41 37 must be	filed within two month	ns of the date of
filing the Notice of Appeal was filed on A brief in comp filing the Notice of Appeal (37 CFR 41.37(a)), or any exte a Notice of Appeal has been filed, any reply must be filed AMENDMENTS	nsion thereof (37 CFR 41.37(e)), to	o avoid dismissal of th	e appeal. Since
3. The proposed amendment(s) filed after a final rejection,	but prior to the date of filing a brief	f, will <u>not</u> be entered b	ecause
(a) They raise new issues that would require further co (b) They raise the issue of new matter (see NOTE belo	nsideration and/or search (see NC		
(c) They are not deemed to place the application in be		educing or simplifying	the issues for
appeal; and/or		is ato distance	
(d) They present additional claims without canceling a NOTE: (See 37 CFR 1.116 and 41.33(a)).		ejected claims.	
		omoliant Amendment	(PTOL-324)
 The amendments are not in compliance with 37 CFR 1.1 Applicant's reply has overcome the following rejection(s) 		omphane / unonamone	(1 \(\frac{1}{2}\) \(\frac{1}{
6. Newly proposed or amended claim(s) would be a non-allowable claim(s).		, timely filed amendme	ent canceling the
7. For purposes of appeal, the proposed amendment(s): a) how the new or amended claims would be rejected is pro The status of the claim(s) is (or will be) as follows:		rill be entered and an e	explanation of
Claim(s) allowed: Claim(s) objected to:			
Claim(s) rejected: 73-116,123-141 and 143-155. Claim(s) withdrawn from consideration:			
AFFIDAVIT OR OTHER EVIDENCE	•		
 The affidavit or other evidence filed after a final action, bu because applicant failed to provide a showing of good an was not earlier presented. See 37 CFR 1.116(e). 	It before or on the date of filing a N d sufficient reasons why the affida	Notice of Appeal will <u>no</u> vit or other evidence is	ot be entered s necessary and
 The affidavit or other evidence filed after the date of filing entered because the affidavit or other evidence failed to showing a good and sufficient reasons why it is necessar 	overcome <u>all</u> rejections under appe y and was not earlier presented. S	eal and/or appellant fa See 37 CFR 41.33(d)(ils to provide a 1).
10. ☐ The affidavit or other evidence is entered. An explanation REQUEST FOR RECONSIDERATION/OTHER	n of the status of the claims after e	entry is below or attacl	hed.
11. The request for reconsideration has been considered by See Continuation Sheet.	it does NOT place the application	in condition for allowa	nce because:
12. Note the attached Information Disclosure Statement(s).	(PTO/SB/08) Paper No(s).		
13. ☑ Other: <u>See Continuation Sheet</u> .		·	→
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	τ !	N. DREW RICHARD	OS >

Continuation of 11. does NOT place the application in condition for allowance because: Applicant's arguments have been considered but are not persuasive. Applicant points out that Zhang's method does not perform laser irradiation while heating as in applicant's invention and thus Zhang yeilds crystalline semiconductor films and TFT's having different characteristics. This is not persuasive. Though Zhang's process for forming the single crystal silicon regions have minor differences than applicant's method, the end result is a single crystal, monodomain region in which the channel is formed. No evidence has been rpovided that the monodomain region formed in Zhang will have different characteristics than in the instant invention. In fact, figures 5 and 6 of applicant's specification provide evidence that a monodomain TFT has the claimed spin density and mobility.

Applicant further argues that the Ohtani and Yamazaki references do establish the inherency of grain boundaries in the channel region of Zhang. As previously discusses, this is not persuasive. Ohtani and Yamazaki use different crystallization techniques and processes in forming their crystalline regions than the technique and process used by Zhang. Yamazaki and Ohtani both use a single heating or annealing step. This single heating step is different than the crystallization process used by Zhang since Zhang performs two heating steps, one prior to final crystallization and one during final crystallization. Thus, the different processes of Ohtani and Yamazaki do not prove that the different process of Zhang will result in grain boundaries in the channel region.

Applicant further argues that since the process of the instant invention and the process of Zhang are different, Zhang will not result in the claimed spin density. This is not persuasive. First, no evidence has been provided that he spin density of Zhang will be different than that claimed. Second, no evidence has been provided that the spin density is dependent on the particular process used in forming the monodomain region. Third, applicant's figure 5 indicate that the spin density of a monodomain TFT is 1x10^15 - 1x10^17. Since Zhang teaches forming a monodomain TFT it is expected that it's spin density would be the same as that indicated in applicant's figure 5.

Continuation of 13. Other: Applicant's IDS filed 8/25/06 has been placed in the file but has not been considered by the Examiner. The IDS contains references that have no related certification statement under 37 CFR 1.97(e).